

ABSTRACT

The present invention is an insect screen with improved durability designed to serve the primary purpose of keeping out very small insects and pests while maximizing visual clarity, light transmission, and airflow. The insect screen is free from macroscopic permanent deformation when subjected to a blunt instrument deformation test of at least 5 lbs. and has a total light transmission of at least 65%. The inventive insect screen comprises fibers in a warp and fill construction which define openings having a warp dimension and a fill dimension, both of said warp and fill dimensions being equal to or less than about 0.06 inches and equal to or larger than about 0.01 inches, the fibers having a diameter less than about 0.007 inches.